

Date: Fri, 16 Sep 94 04:30:35 PDT  
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>  
Errors-To: Ham-Homebrew-Errors@UCSD.Edu  
Reply-To: Ham-Homebrew@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Homebrew Digest V94 #275  
To: Ham-Homebrew

Ham-Homebrew Digest                      Fri, 16 Sep 94                      Volume 94 : Issue    275

Today's Topics:

                    AR-2500  
                    Dipoles & 50 ohm coax  
                    Ham-Homebrew Digest V94 #270  
                    HP & Marconi microwave power meters  
                    IF YOU WERE THINKING ABOUT MAKE.MONEY.FAST  
                    Osc. for 2M remote base, HELP (2 msgs)  
                    xtal filters

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>  
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Mon, 12 Sep 1994 05:45:39 GMT  
From: netcomsv!netcom.com!droy@decwrl.dec.com  
Subject: AR-2500  
To: ham-homebrew@ucsd.edu

I just got a used AR-2500 scanner and I am looking for software to  
control the radio via the rs-232 port. I AM NOT A PROGRAMMER by any  
stretch of the imagination. I am a truck driver so if you have such a  
program I can trade you.... well I could give you a ride in my truck!  
Please respond here or to droy@netcom.com  
Tnx. Dave

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Dave Roy  
100 Harbor Blvd  
Space # 16  
Belmont, CA 94002

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73,

Roy Lewallen  
W7EL

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Date: Thu, 15 Sep 1994 15:03:55 GMT  
From: psinntp!arrl.org!zlau@uunet.uu.net  
Subject: Ham-Homebrew Digest V94 #270  
To: ham-homebrew@ucsd.edu

Mike McCarty (jmccarty@spd.dsccc.com) wrote:  
: In article <9408127794.AA779402328@smtpsend.comsys.rockwell.com>,  
: <Dale\_Croft@comsys.rockwell.COM> wrote:  
: )  
: )Subject: Freq. Counter Problem  
: )ref ham-homebrew digest v94-\*270

: [stuff deleted about freq. counter not able to count local oscillator  
: from 3.3 to 5.6 MHz through a 1 uF capacitor, but ok on freq's above  
: this]

: I doubt that. At 3 MHz the reactance of a 1 uF capacitor is 0.05 Ohms.

Not necessarily. Suppose there is a parallel resonance from the stray inductance. You could get a very high impedance over a small range of frequencies. Often, you see people trying to parallel capacitors to avoid this problem. Sometimes, it doesn't work because it creates more parallel resonances!

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Zack Lau KH6CP/1                    2 way QRP WAS  
                                     8 States on 10 GHz  
Internet: zlau@arrl.org    10 grids on 2304 MHz

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Date: 14 Sep 1994 10:13:37 +0100  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!  
EU.net!uknet!acorn!not-for-mail@network.ucsd.edu  
Subject: HP & Marconi microwave power meters  
To: ham-homebrew@ucsd.edu

I have a Marconi-Sanders/TFT 6460/1 power meter, which unfortunately has a blown measurement head : I understand this is a common problem. A replacement is pretty expensive : just the element is #238 from Marconi, and a second-hand head about #100. Very few seem to appear on the amateur market.

However, the heads for the HP meter (HP432A ??) are much more easily available - I've seen guaranteed ones for #25 and unknown ones for #5. Of course, the meters themselves (and the head cables) are pretty hard to find ..

Are the actual sensor elements in these heads similar ? I want to know if I can adapt the HP heads to suit my Marconi meter (perhaps with some changes to the meter), either by building an interface box or by transplanting the measurement cavity into my broken power head.

The Marconi heads are nominally 200 ohm, with a thermistor for temperature compensation and an efficiency correction pot mounted on the head itself - I appreciate that the HP meters have the correction control on the meter.

Great accuracy is not particularly important - I could probably get access to equipment to perform some sort of calibration and in any case I'd find relative measurements alone useful if the absolute measurement was OK to an order of magnitude.

I'd also appreciate comments on how these things work : they're usually referred to as thermistor heads, so I assumed that the meter actually measures resistance. However, the manual indicates that it measures voltage, and there's no current source to the sensor, just a small offset voltage that's used for zero setting. Is the same true for the HP meter ?

-adrian

(# above is used to represent pounds sterling, about \$1.50).

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Date: Mon, 12 Sep 1994 05:20:18 GMT  
From: lerc.nasa.gov!magnus.acs.ohio-state.edu!csn!news.usafa.af.mil!  
cs32-114.usafa.af.mil!MCCLUREJD%CS32@purdue.edu  
Subject: IF YOU WERE THINKING ABOUT MAKE.MONEY.FAST  
To: ham-homebrew@ucsd.edu

This is just a message to reveal what I beleive to be an internet scam that has caught many net newbies unaware (including me) and to apologize to the users of news groups where I may have posted.

It is usually under the subject heading MAKE.MONEY.FAST. The message says it is a legal mail list. I don't know if it is legal or not but it is in severe bad taste. It is also a misuse of a government sponsored internet account.

So if any of you see a message of the above description, please let the issuer of it know what is going on. They are probably relatively new to the internet news groups or they would have some clue about what the message is.

If any of you have already added your name to this thing, the best thing to do would be to let others know that it is in poor taste and to apologize to the places that it was posted.

To everybody else, my advise is DONT BE DUPED!

Josh McClure  
Cadet, USAFA

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Date: Thu, 15 Sep 1994 01:02:46 GMT  
From: psinntp!arrl.org!zlau@uunet.uu.net  
Subject: Osc. for 2M remote base, HELP  
To: ham-homebrew@ucsd.edu

Brian McClure N8PQI (bmccclure@olie.wvitcoe.wvnet.edu) wrote:

: looking for a schematic of a oscillator for 2M that can be controlled  
: via BCD, RS-232, binary, etc. for use as a 2M remote base/link system  
  
: what I am trying to do is, i live in between two very tall hill and  
: can't hit the repeaters just on the other side, so i am building a link  
: and need to be able to control the TX and RX freq with DTMF  
: i already have the DTMF decoder built and part of the controller  
: I just need an OSC that can be controlled via the "computer"(controller)

Much of what you need is in an article published by Lee Snook in the 1988 to 1990 ARRL Handbook--A computer controlled Shortwave Converter. All the basic building blocks, VCO, triple loop synthesizer, and digital interface are described.

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Zack Lau KH6CP/1                    2 way QRP WAS  
                                    8 States on 10 GHz  
Internet: zlau@arrl.org    10 grids on 2304 MHz

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Date: 14 Sep 94 13:33:26 EDT  
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!  
howland.reston.ans.net!darwin.sura.net!wvnmvms!olie!bmccclure@network.ucsd.edu  
Subject: Osc. for 2M remote base, HELP  
To: ham-homebrew@ucsd.edu

This is my first post, so forgive any screw-ups

looking for a schematic of a oscillator for 2M that can be controlled

via BCD, RS-232, binary, etc. for use as a 2M remote base/link system

what I am trying to do is, i live in between two very tall hill and  
can't hit the repeaters just on the other side, so i am building a link  
and need to be able to control the TX and RX freq with DTMF  
i already have the DTMF decoder built and part of the controller  
I just need an OSC that can be controlled via the "computer"(controller)

thanks in advance  
any info would be helpful

Brian McClure N8PQI  
email: bmccclure @ olie.wvitcoe.wvnet.edu  
q

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Date: Sun, 11 Sep 1994 23:47:30 GMT  
From: (null)@oddjob.uchicago.edu@network.ucsd.edu  
Subject: xtal filters  
To: ham-homebrew@ucsd.edu

does anybody know where I can get a narrow CW filter for an FT101z?

I am in london England but don't mind mail order from anywhere!

oddjob@cix.compulink.co.uk

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End of Ham-Homebrew Digest V94 #275  
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